

# **USER'S MANUAL**

*LP-80D Series*

Price Computing Label Scale

# **INSTRUCTION MANUAL**

*LP-80D Series*  
Label Printing Scale

## CONTENT

1	Safety First.....	2
1.1	About warning and caution icons .....	2
1.2	Warning .....	2
1.3	Power plug and AC outlet.....	3
1.4	Caution .....	3
2	Summarize.....	4
2.1	External view .....	4
2.2	Display .....	4
2.3	Standard keyboard layout.....	5
2.4	Light .....	6
2.5	Name and function of the key.....	6
2.6	Capability .....	6
2.7	Installing label paper roll.....	7
2.8	Key features.....	7
3	Programming and setting can be done in computer and then uploaded to scale via RS-232 port. Sales Operation .....	8
3.1	Inspection before usage .....	8
3.2	Power up.....	8
3.3	Weighting selling.....	9
3.4	Reset price selling .....	10
3.5	Default weight and price selling.....	11
3.6	Sale In Packaged .....	13
3.7	Discount-input selling .....	13
3.8	Date and time .....	14
4.	Technique Support .....	14

Congratulations on your choice of an **LP-80D Series Price Computing Label Scale**, designed to give you many years of service.

## 1 Safety First

- To use this product safely and correctly, read this manual thoroughly and operate as instructed.
- After reading this guide, keep it close at hand for future reference.
- Always observe the warnings and cautions indicated on the product.

### 1.1 About warning and caution icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. To bring attention to risks and possible damage, the following types of icons are used.



: This symbol is indicated for attracting attention (including warning). In this triangle the actual type of precaution indicates potential danger (e.g. electric shock).



: This symbol is indicated for attracting attention (including warning). In this triangle the actual type of precaution indicates the susceptible of static electricity.



: This symbol indicates a restriction. In this case the protection of static electricity is needed.

### 1.2 Warning



During handling electronic label printing scale

1. Should the scale malfunction, start to emit smoke or strange odor, or to occur other abnormal behavior immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
2. Do not place containers of liquid near the scale and do not allow any foreign matter to get into it. Should water or other foreign matter get into the scale, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
3. Should you drop the scale and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.
4. Never try to open the scale apart or modify it in any way. High-voltage components inside the scale create the danger of fire and electric shock.  
Note: When the above problems occur, please contact Customer Service Representative of TaiYuan TAICO Electronic Technology CO., LTD.

### 1.3 Power plug and AC outlet

1. Use only a proper AC electronic outlet: 90V ~ 250V; Temperature: -10°C~ +40°C; Humidity: 40%~90%. Use beyond the indicated conditions creates the danger of malfunction, fire and electric shock.
2. Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.  
Note: Do not use an already damaged plug. Never connect to power outlet that is loose.
3. Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.
4. Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and short-circuit, which creates the danger of electric shock and fire.

Note: To repair the damaged power outlet and power plug, please contact Customer Service Representative of TaiYuan TAICO Electronic Technology CO., LTD.

### 1.4 Caution

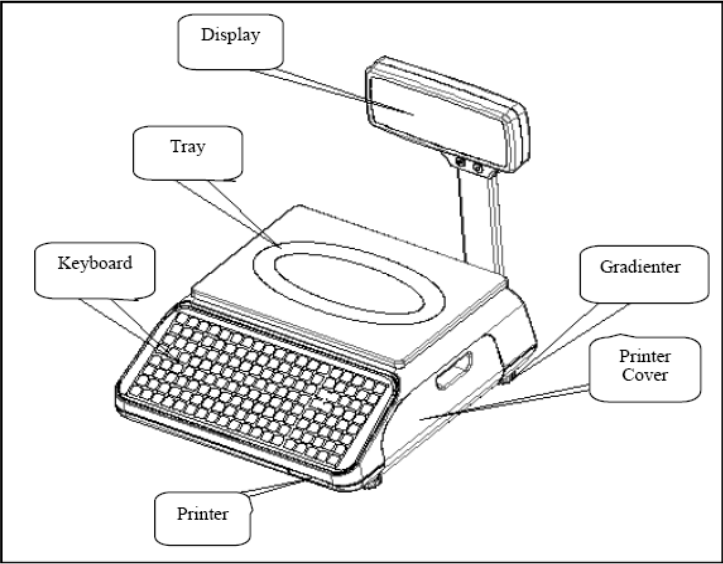


During handling electronic label printing scale

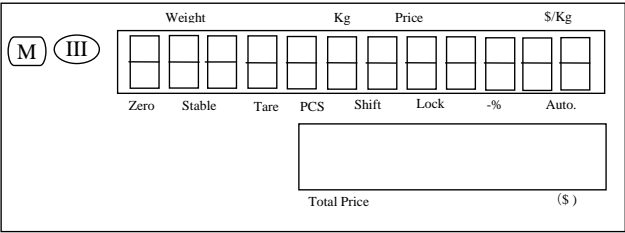
1. Do not place the scale on an unstable or uneven surface. Doing so can cause the scale to fall, and create the danger of malfunction, fire, and electric shock.
2. Do not place the scale in the following areas.
  - Areas where the scale will be subject to large amounts of humidity or dust, or directly exposed to extreme hot or cold air.
  - Areas exposed to direct sunlight, in a close electronic motor, or any other area subject to very high temperature.
3. Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause short-circuit or damage of the power cord, creating the danger of fire and electric shock.
4. Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short-circuit, creating the danger of fire and electric shock.
5. Never touch the plug while your hands are wet. Doing so creates the danger of electric shock.
6. Do not place electric object near the scale. Any electric object getting into the scale maybe creates the danger of malfunction.
7. Make sure there is no sharp electric magnetic field around the scale; otherwise it will cause a danger of capability reduction of scale.

2 Summarize

2.1 External view



2.2 Display



### 2.3 Standard keyboard layout

HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	MENU	↑	SHIFT	CLR
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	←	↓	→	FEED
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	+% EXTRA	-% DISC	VOID	AUTO PRINT
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	PLU	PRICE	LOCK	PACKAGE
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	1	2 abc	3 Def	RE-ZERO
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	4 Ghi	5 Jkl	6 mno	TARE
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	7 pqrs	8 Tuv	9 wxyz	CASH
HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	HOT KEY	Back Space	0	.	OK

## 2.4 Light

Light	Light status	Scale current status
Zero	On	No weighing or weight=0
Stable	On	Label scale operating stably
Tare	On	[TARE] key is pressed
PCS	On	Sales in package
Shift	On	[SHIFT] key is pressed
Lock	On	
-%	On	Discount at percentage
Auto.	On	Under Auto-print status

## 2.5 Name and function of the key

Key	Function
NUMERIC	Number and letter entering
HOT KEY	Key for direct sales
MENU	Enter and quit menu
↑	Select function on the upper
↓	Select function on the next
←	Select function on the upper
→	Select function on the next
SHIFT	Select 2 <sup>nd</sup> function
C	Clear entering
FEED	Feed label paper
+%	Additional at percent
EXTRA	Extra charge operation
-%	Discount at percent
DISC	Various promotion operation
DELETE	Cancel current sales operation
Auto-PRINT	Auto-print and manual-print shift key
PLU COD	PLU No. key to get product information
PRICE	Price entry key
Lock	Lock a certain key for one PLU
PACKAGE	Sales in package
RE-ZERO	Zero comeback key
TARE	Tare key
CASH	Total cash key

## 2.6 Capability

Parameter		Specification
Maximum division of weighting-detection: MAX-MIN-e	Singular division	3Kg—20g—1g 6Kg—40g—2g 5Kg—100g—5g
	Double division	6/15Kg—40g—2/5g (scale with 15 Kg maximal weighting) 15/30Kg—80g—5/10g (scale with 30 Kg maximal weighting)
Precision		1/3000 F. S
LED Display	Weight	5 digits
	Price	6 digits
LCD Display	Total Price	7 digits
	PLU Name	10 Characters(Double Width)
Power supply		190V~250V 50Hz±10%
Power consumption	Normal mode:	20W
	Printing mode:	50W

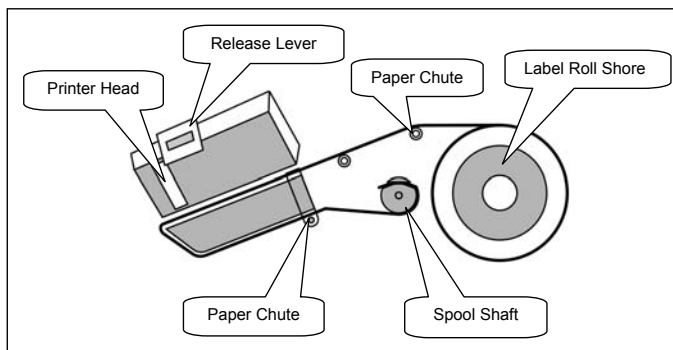


Operating temperature	Storage	-10°C~50°C
	Working	0°C~40°C
Humidity		40%~90% RH
Printer feature	Type	Thermal print
	Resolution	8 dot/mm
	Speed	60 mm/sec
	Reliability distance	30km without malfunction
Printer paper	Width	30-60mm
	Length	25-200mm
	Outside diameter.	≤φ100mm
	Inside diameter	≥φ40mm
	Space	2-3mm
Print font	character set	16×16 dot, 2 (W) mm x 2 (H) mm

Note: this instruction manual is suitable for the price computing scale with maximal weighting of 15 Kg and the scale with maximal weighting of 30 Kg.

## 2.7 Installing label paper roll

1. Make sure that the power plug is unplugged from AC power
2. Open the printer side cover
3. Push release lever to lift up the printer head
4. Insert label roll into the Label Roll Shore
5. Separate the label from back-paper for 30cm
6. Load the label through paper chute and wind the back-paper two or three times around the spool shaft, and then use U-pin to lock it
7. Put down the printer head and lock it
8. Close the printer side cover
9. Turn on the power, press [feed key] to feed the label to correct print position



Note : Load the label through the paper chute correctly and adjust the width of paper chute to the label.

## 2.8 Key features

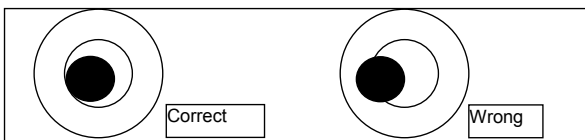
1. 10000 pieces of PLUs and PLUs data can be modified easily.
2. PLU hot-keys can be edited and makes sales operation more quickly.

3. Printing parameters and label code setting can be easily edited.
4. Label code format designation is convenient.
5. Label printing quantity and sales amount can be sorted by PLU No..
6. Multiple discount modes available. Amount before and after discount shown.
7. Easy communication in two network ways: RS-232 and TCP/IP.

### 3 Programming and setting can be done in computer and then uploaded to scale via RS-232 port. Sales Operation

#### 3.1 Inspection before usage

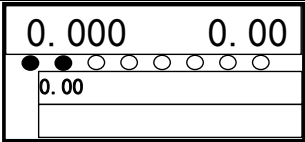
1. Switch on the scale
2. Make sure that the gradienter hole is clean
3. Anything on the scale pan should be clear up.
4. Adjust the scale feet until the gradienter bubble showing adjustment to the horizontal. It is shown below:



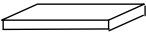
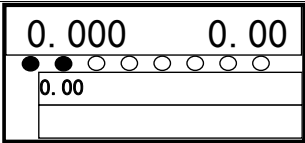

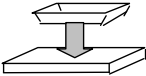
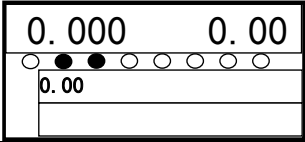
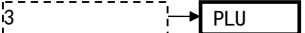
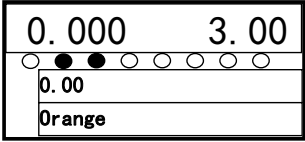

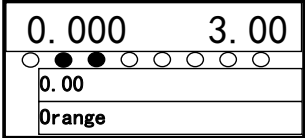
5. Make sure that printer paper sufficient and has been correctly installed.

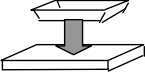
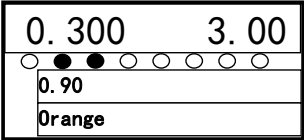

#### 3.2 Power up

Procedure	Key operation and display
1. Clean scale pan	
2. Power switch "ON"	
3. Zero indicator lighting up	
4. If Zero Indicator not lighting up, press "Re-ZERO" key	

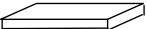
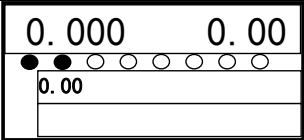
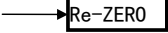
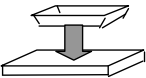
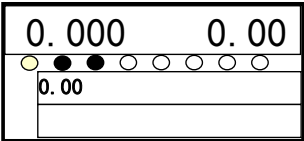
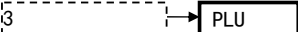
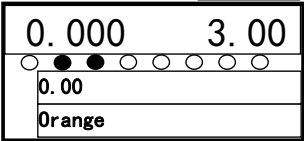
5. Stability indicator lighting up	
------------------------------------	---

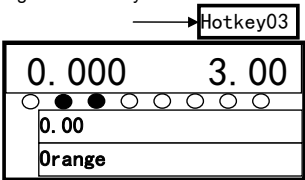
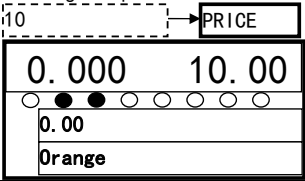
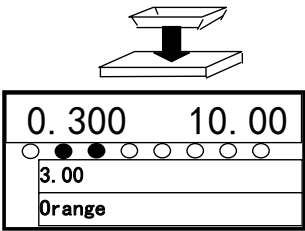

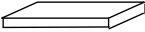
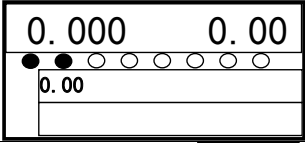

### 3.3 Weighting selling

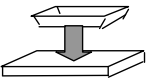
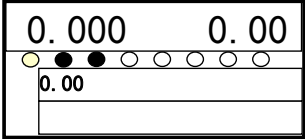
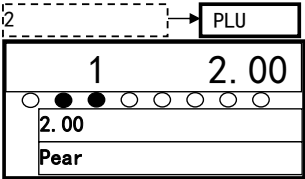
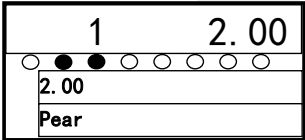
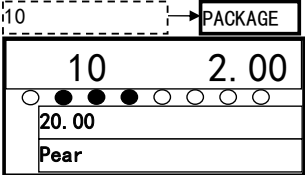

Procedure	Key operation and display
1. Scale pan clear	
2. Zero indicator lighting up	
3. If Zero Indicator not lighting up, press "Re-ZERO" key.	
4. Tare Put the weighting pan on the scale pan, then press <u>Tare</u> key, then the "Tare" indicator will light up.	 
5. Entry PLU Number To get product information, enter PLU number, and then press <u>PLU</u> key	<p>e.g. : PLU number: 3 Unit price = 3.00\$/Kg Name = Orange PLU Type = Weighing</p>  
<u>Or use Hotkey:</u> Pressing the PLU hotkey, to sale the goods directly, e.g. for No. 3, press HOTKEY03 directly; for No. 83, press SHIFT+HOTKEY03.	<p>e.g. : Use Hotkey</p>  

6. To weight goods. Put the goods on the scale pan.	e.g.: Gross weight=300g  
7. Please refer to discount operation (3.8), if discounting is needed.	
8. Label printing Press <b>CASH</b> to print label.	

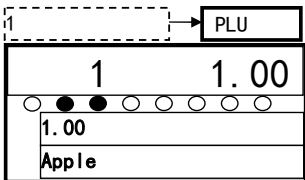
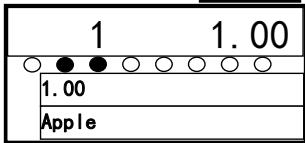
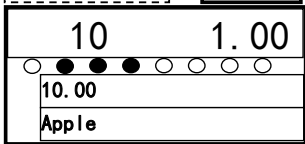

### 3.4 Reset price selling

Procedure	Key operation and Display
1. Scale pan clear	
2. Zero indicator lighting up	
3. If Zero Indicator not lighting up, press "Re-ZERO" key.	
4. Tare Put the weighting pan on the scale pan, then press Tare key, then the "Tare" indicator will light up.	 
5. Entry PLU Number To get product information, enter PLU number, and then press <b>PLU</b> key, then PLU indicator is lighting up.  <u>Or use Hotkey:</u> Pressing the PLU hotkey, to sale the goods directly, e.g. for No.3, press HOTKEY03 directly; for No.83, press SHIFT+HOTKEY03.	e.g. : PLU number: 3 Unit price = 3.00\$/Kg Name = Orange PLU Type = Weighing  

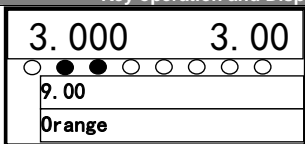

	<p>e.g. : Use Hotkey</p> 
<p>6.Reset price Attn: Open PLU must be set as "Reset Price selling" during programming.</p> <p>Entry the new price, e.g. New price=10, input "10", then press <b>PRICE</b> key.</p>	<p>To change the price to 10.00</p> 
<p>7. To weight goods. Put the goods on the scale pan.</p>	<p>e.g.: Gross weight=300g</p> 
<p>8. If discounting sales, refer to discount operation (3.8).</p>	
<p>9.Label printing Press <b>CASH</b> to print label.</p>	
<h3>3.5 Default weight and price selling</h3>	
Procedure	Key operation and display
1. Scale pan clear	
2. Zero indicator lighting up	
3.If Zero Indicator not lighting up, press "Re-ZERO" key.	

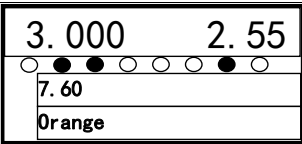

<p>4. Tare Put the weighting pan on the scale pan, then press <b>Tare</b> key, then the "Tare" indicator will light up.</p>	 
<p>5. Entry PLU Number To get product information, enter PLU number, and then press <b>PLU</b> key</p> <p><u>Or use Hotkey:</u> Pressing the PLU hotkey, to sale the goods directly, e.g. for No.2, press HOTKEY02 directly; For No.82, press SHIFT+HOTKEY02.</p>	<p>e.g. PLU number: 2 Unit price = 2.00\$/Kg Name = Pear PLU Type = Fixed weight Default Weight = 400g</p>  <p>e.g. : Use Hotkey</p> 
<p>6. Enter package quantity e.g. Package quantity = [10] Input "10", then press [PACKAGE] key,"PCS" indicator will light up</p> <p>Note: when quantity is "1", directly press [PACKAGE] key.</p>	<p>Quantity : 10</p> 
<p>7. Label printing Press <b>CASH</b> to print label. <b>The Weight will be printed as "10*0.400kg"</b></p>	

### 3.6 Sale In Packaged

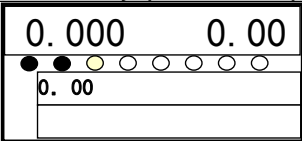
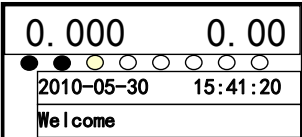
Procedure	Key operation and Display
<p>1. To enter PLU No. of packaged goods. "Package" indicator will light up. (Attn: This function can work only when "bagged selling" is set during programming.)</p> <p><u>Or use Hotkey:</u> Pressing the PLU hotkey on keyboard to sale the goods directly. E.g. for No.1, press HOTKEY01 directly; for No.81, press SHIFT+HOTKEY01.</p>	<p>e.g. PLU number: 1 Unit price = 1.00\$/Kg Name = Apple PLU Type = Package</p>  <p>e.g. : Use Hotkey</p> 
<p>2. Enter package quantity e.g. Package quantity = [10] Press [PACKAGE] key</p> <p>Note: when quantity is "1", directly press [PACKAGE] key.</p>	<p>Quantity : 10</p> 
<p>3. Please refer to discount programming (3.8), if discounting is needed.</p>	
<p>4. Label printing Press [CASH] to print label</p>	

### 3.7. Discount-input selling

Procedure	Key operation and Display
<p>1. Enter discount % During on billing operation, enter discount amount,</p> <p>e.g. discount % = [85%] Input "85", then Press [%] key. The "-" indicator will be light up</p>	 <p>eg. Discount = 85%</p> 

	
2. Label Printing Press <b>CASH</b> to print label	

### 3.8. Date and time

Procedure	Key operation and Display
<p>Under this interface. Press <b>Package</b> key</p> <p>Then you can see the date and time. It displays current day of 2007-07-06 (year-month-date), current time of 13-20-57 (hour-minute-second)</p> <p>If you hav't operate scale for one minute and the weight is zero, the system will show this also.</p>	 

## 4. Technique Support

Before you inform the technique representative, you may refer the error to the following list. Many questions occur do not because of the quality of the product rather a simple incorrect operation.

Errors	Discription
ERR-01	Invalid PLU code
ERR-02	Invalid PLU No.
ERR-03	Difference price when resale
ERR-04	No print paper
ERR-05	Forbid change price
ERR-06	PLU not found
ERR-07	Wrong IP format
ERR-08	Wrong date or time
ERR-09	Invalid key input
ERR-10	Quantity or weight error
ERR-11	Money error
ERR-12	Memory full
ERR-13	Data input error
ERR-14	Data in memory error
ERR-15	Label Paper haven't peeled
ERR-16	PLU can't be Discount
ERR-17	PLU can't be add
ERR-18	Manual discount forbidden
ERR-19	Wrong MAC address format
ERR-20	Amount of money overflow
ERR-21	USB ERR



# **PROGRAMMING MANUAL**

*LP-80D Series*  
Label Printing Scale

## CONTENT

1.	Preparation for programming .....	2
2.	Programming Basic Data .....	2
2.1.	Setting date and time .....	2
2.2.	Setting the network .....	3
2.3.	Setting Hot-Key .....	4
2.4.	Editing letter String .....	5
2.5.	Editing PLU Explanation .....	5
2.6.	Editing label Format .....	6
2.7.	Editing Idle roll Message .....	8
3.	Parameter Setting .....	8
Setting label and scale .....		8
4.	PLU management .....	11
4.1.	Setting PLUs .....	11
4.2.	Delete single PLU .....	14
4.3.	Delete all PLUs .....	14
5.	Sales Report function .....	15
6.	Factory Setting .....	16
6.1.	Reset default system setting .....	16
6.2.	Restore factory setting .....	16
7.	System Testing .....	17
Test Printer .....		17
8.	Getting information of Version .....	17
9.	Input Method .....	17
10.	Trouble shooting .....	19
11.	Annex A. Default label printing format .....	19
12.	Annex B. Default system parameters .....	20

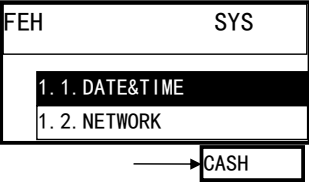
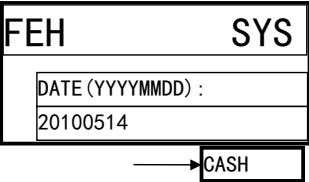
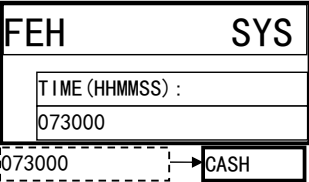
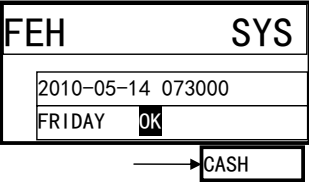
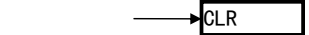
# 1.Preparation for programming

Procedure	Key operation and Display
Turn on the scale. Initial data in the display  Note: Press <b>MENU</b> key quit Programming Interface and back to Sales mode. Press <b>CLR</b> to go back to upper level submenu within the programming menu.	
Under the condition without sales operation,press <b>MENU</b> Key, enter programming interface. Programming Light is lighting up..	
Programming menu (General menu level)	Programming menu (Sub- menu level)
1.System setting	1.1.Setting date and time
	1.2.Setting network communication
	1.3.Setting Hot-Key
	1.4.Setting letter string
	1.5.Setting message(explanation text)
	1.6.Setting label format
2.Parameter setting	Setting label and scale parameters
	Scale No. Paper width,paper height, paper span,printer gray,paper sensor, plu name mediacy,barcode, plu code length,plu code style,Prefix,QTY in barcode,round,weight unit,price unit,price changeable,discount enable, date type, def,exp date,static report, lable format index
3.PLU's setting	3.1.Setting single PLU
	3.2.Delete single PLU
	3.3.Delete all PLUs
4.Reports	Date and time
	Daily total amount
	Daily label count
	Clear-out report
5.Factory setting	5.1.Reset system setting
	5.2.Restore factory setting
6.System testing	5.3. Printer test
7.About Version	

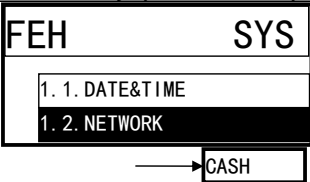
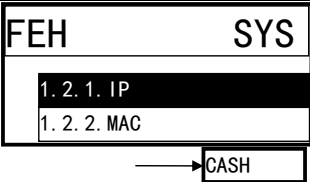
## 2.Programming Basic Data




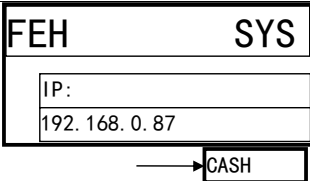


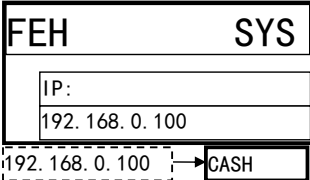


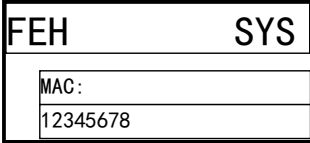


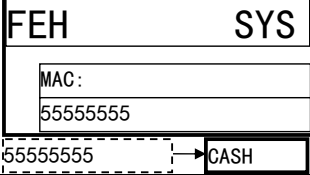


### 2.1Setting date and time

Procedure	Key operation and Display
Under the programming interface:  Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM setting.  Press <b>CASH</b> key to choose DATE & TIME.	





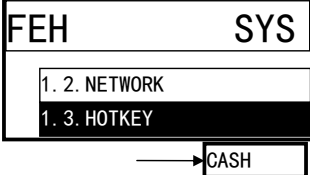

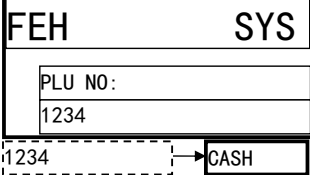
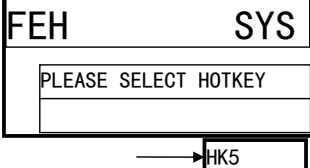
	
<p>It shows current date (year-month-date):</p> <p>Enter new date: 20100514</p> <p>Press <b>CASH</b> key.</p>	
<p>It shows current time (hour-minute-second):</p> <p>Enter new time:073000</p> <p>Press <b>CASH</b> key</p>	
<p>It shows date and time just set.</p> <p>Press <b>CASH</b> key. The setting is finish.</p>	
<p>Press <b>CLR</b> key to return to programming menu interface.</p>	


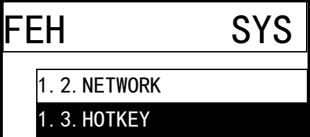
## 2.2 Setting the network

Procedure	Key operation and Display
<p>Under the programming interface:</p> <p>Press <b>Menu</b> key, use <b>↑</b> &amp; <b>↓</b> to choose SYSTEM setting.</p> <p>Press <b>CASH</b> key to choose NETWORK.</p>	
<p>It displays Network setting interface</p>	

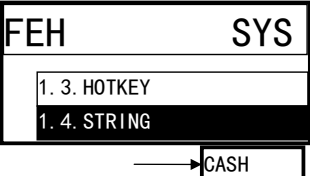
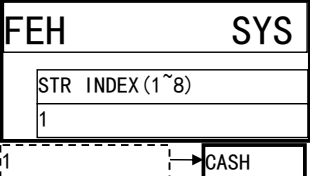
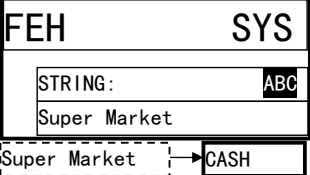
<b>Setting IP address</b> Use  &  to, then press  key  The preset IP address appears in the display: 192.168.0.87	
<b>Enter new IP address</b> Press  key to delete preset IP address.  e.g. New IP address =192.168.0.100 Press  key <b>NOTE:Scale IP and Host IP should be at the same subnet.For example, host IP should be 192.168.0.xxx</b>	
<b>Setting MAC address</b> Use  &  to MAC the preset MAC address is show: 12345678	
<b>Enter new MAC address</b> Press  key to clean current MAC address.  e.g. new MAC address = 55555555 Press  key <b>NOTE: MAC address should be 8 bytes.</b>	
Press  key to return to up level.	

## 2.3 Setting Hot-Key

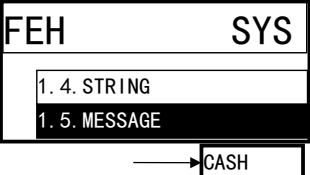
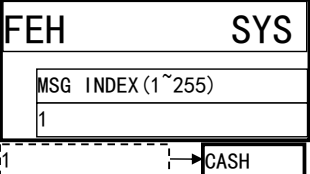
Procedure	Key operation and Display
Under the programming interface:  Press  key, use  &  to choose SYSTEM setting.  Press  key to choose HOT KEY.	
You can assign a PLU to one of HOT key.  e.g. assign one PLU/product(1234) to Hot-key 5. Enter [1234]. Press  key.	
Press the Hot-Key 5 (when necessary, combine with "SHIFT" key). Setting is finished with a "BEE" sound	

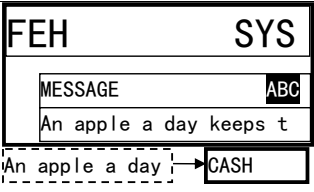
Repeat above steps to set more PLUs Hot-Key. Or press <b>CLR</b> key to return to last menu.	 
---	---

## 2.4 Editing letter String

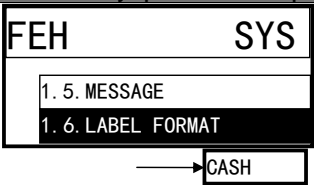
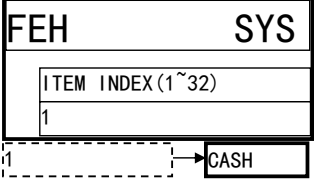
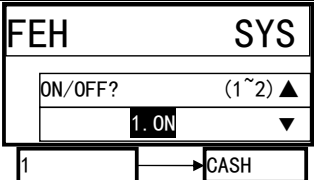
Procedure	Key operation and Display
Under the programming interface:  Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM setting.  Press <b>CASH</b> key to choose STRING	
Enter index of explanation (1~8)  e.g. Explanation text index.= 1 Press <b>CASH</b> key.	
Enter explanation text (maximal 24 letters)  Press <b>CLR</b> key to clean string 01. e.g. Input text "Super Market" Press <b>CASH</b> key. <b>NOTE: See "8.Input Method" about how to input text.</b>	
Setting is finished with a "BEE" sound.	

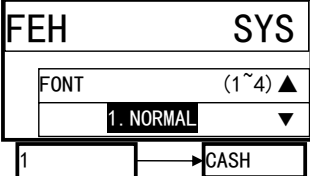
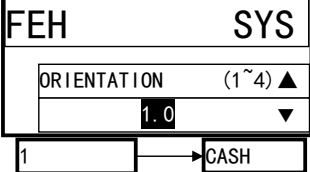
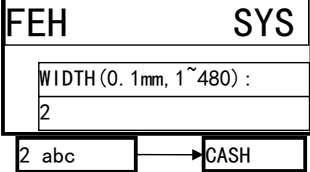
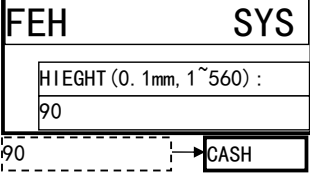
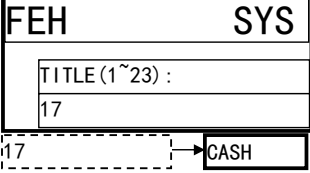
## 2.5 Editing PLU Explanation

Procedure	Key operation and Display
Under the programming interface:  Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM setting.  Press <b>CASH</b> key to choose Message	
Enter index of explanation (1~255)  e.g. Explanation text index.= 1 Press <b>CASH</b> key.	

<p>Enter explanation text (maximal 96 letters)</p> <p>Press <b>CLR</b> key to clean Message 01.</p> <p>e.g. Input text “An apple a day keeps the doctor away”</p> <p>Press <b>CASH</b> key.</p> <p><b>NOTE: See “8.Input Method” about how to input text.</b></p> <p>Setting is finished with a “BEE” sound.</p>	
--	--

## 2.6 Editing label Format

Procedure	Key operation and Display
<p>Under the programming interface:</p> <p>Press <b>Menu</b> key, use <b>↑</b> &amp; <b>↓</b> to choose SYSTEM setting.</p> <p>Press <b>CASH</b> key to Label format</p>	
<p>Enter number of label item(1~32)</p> <p>1 Internal code 2 Product name 3 PLU code 4 Price, 5 Weight 6 Amount after discount 7 Barcode 8 Date 9 Effective days,10 Frame 11 Time 12 Amount before discount 13 Expiry date ,14 Discount rate 15 Title 1 ,16 Title 2, 17 Title 3 18 Title 4, 19 Title 5, 20 Title 6 21 Title 7, 22 Title 8, 23 Title 9 24 Letter string 1 25 Letter string 2 26 Letter string 3 27 Letter string 4 28 Letter string 5 29 Letter string 6 30 Letter string 7 31 Letter string 8 32 Explanation text</p> <p>e.g. Letter editing NO.= 1</p> <p>Press <b>CASH</b> key.</p>	
<p>Setting whether to print (1=: ON print, 2: OFF no print)</p> <p>e.g. Whether to print= [1]</p> <p>Use <b>↑</b> &amp; <b>↓</b> to choose.</p> <p>Press <b>CASH</b> key to enter next printing setting</p>	

<p><b>This step is for items except Frame and Barcode</b></p> <p>Setting font (1: normal, 2: double width, 3: double height, 4: double width and height). After enter one choice, press <b>CASH</b> key to enter next printing setting.</p> <p>Note: In Setting Frame, no this setting.</p>	
<p>Setting rotation degree of printing font (1: 0 degree, 2: 90 degree, 3: 180 degree, 4: 270 degree). After enter one choice, press <b>CASH</b> key to enter next printing setting. Note: The function only on Version 1.08OR1.08 or the above versions.</p>	
<p><b>This step is only for item Frame and Barcode</b></p> <p>Setting item width (Unit: 0,1mm). After enter one choice, press <b>CASH</b> key to enter next printing setting. Note: Only when setting frame and label code, this function exists. When setting label code, width is code width (2-4).</p>	
<p><b>This step is only for item Frame and Barcode</b></p> <p>Setting item height (Unit: 0,1mm). After enter one choice, press <b>CASH</b> key to enter next printing setting. Note: Only when setting frame and label code, this function exists.</p>	
<p><b>This step is only for Letter String 1~8</b></p> <p>Setting title text index (1-23)</p> <ol style="list-style-type: none"> <li>1: Product name</li> <li>2: Weight (g)</li> <li>3: Price (USD/100g)</li> <li>4: Sales amount</li> <li>5: Packaging date</li> <li>6: Complement</li> <li>7: Storage duration</li> <li>8: Net weight</li> <li>9: Production date</li> <li>10: Usage way</li> <li>11: Storage way</li> <li>12: PLU code</li> <li>13: Sales amount (USD)</li> <li>14: PLU</li> <li>15: g</li> <li>16: Weight</li> <li>17: Price</li> <li>18: USD</li> <li>19: USD/100g</li> <li>20: USD/500g</li> <li>21: USD/Kg</li> <li>22: Kg</li> <li>23: Effective days</li> </ol> <p>After enter one choice, press <b>CASH</b> key to enter next printing setting. Note: this function only exists in setting title.</p>	



<p><b>This step is only for Frame</b>  Setting frame width (Unit: 0,1mm).  After enter the width, press <b>CASH</b> key to enter next printing setting.  Note: This function only exists on Software Version 1.08 or above version in setting frame.</p>	
<p>Setting X-axis (Unit: 0,1mm).  After enter the number, press <b>CASH</b> key to enter next printing setting.</p>	
<p>Setting Y-axis (Unit: 0,1mm).  After enter the number, press <b>CASH</b> key. Label code programming finishes.</p>	

## 2.7 Editing Idle roll Message

Procedure	Key operation and Display
<p>Under the programming interface:</p> <p>Press <b>Menu</b> key, use <b>↑</b> &amp; <b>↓</b> to choose SYSTEM setting.</p> <p>Press <b>CASH</b> key to choose idle Message</p>	
<p>Enter idle rolling text (maximal 96 letters)</p> <p>Press <b>CLR</b> key to clear old idle message.</p> <p>e.g. Input text "Welcome to Super Market"</p> <p>Press <b>CASH</b> key.</p> <p><b>NOTE: See "8.Input Method" about how to input text.</b>  <b>Also this message will be showed on LCD Display when the weight is zero for 30 seconds</b></p>	
<p>Setting is finished with a "BEE" sound.</p>	




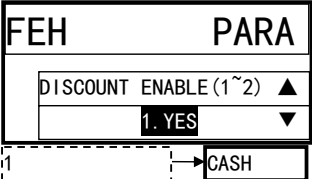



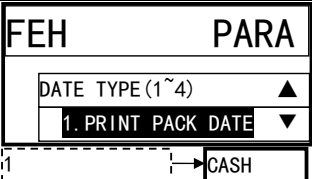

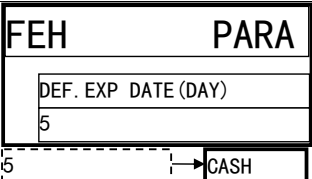



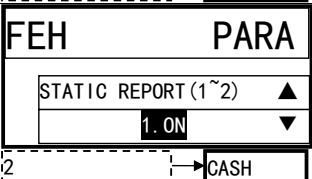

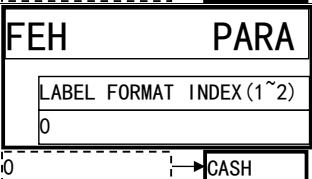

## 3.Parameter Setting

### Setting label and scale

Procedure	Key operation and Display
<p>Under the programming interface:</p> <p>Press <b>Menu</b> key, use <b>↑</b> &amp; <b>↓</b> to choose PAPA setting.</p> <p>Press <b>CASH</b> key</p>	





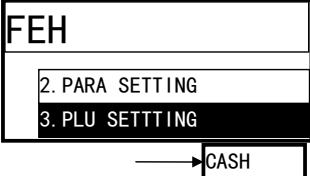
<p>Enter the Scale Number (0 -99).</p> <p>e.g.: Scale No. = [1] Press <b>CASH</b> key</p>	<div data-bbox="549 89 860 272"> <div>FEH</div> <div>PARA</div> <div>SCALE NO:</div> <div>1</div> <div>1</div> <div>CASH</div> </div>
<p>Enter printer paper sensor. 1: ON( check); 2: OFF(not to check ).</p> <p>e.g.: Check = [1] Use <b>↑</b> &amp; <b>↓</b> to choose.</p> <p>Press <b>CASH</b> key</p>	<div data-bbox="549 295 860 477"> <div>FEH</div> <div>PARA</div> <div>PAPER SENSOR (1~2)</div> <div>1. ON</div> <div>1</div> <div>CASH</div> </div>
<p>Setting PLU name printing position 1.ON (printing in the center)2.OFF (not printing in the center)</p> <p>e.g.: In the center = 1.ON</p> <p>Press <b>CASH</b> key</p>	<div data-bbox="549 501 860 684"> <div>FEH</div> <div>PARA</div> <div>PLUNAME MED IACY (1~2)</div> <div>1. ON</div> <div>1</div> <div>CASH</div> </div>
<p>Enter type of barcode (1~12)</p> <p>e.g.: barcode type = [1] Press <b>CASH</b> key</p> <p><b>Note: Type of barcode</b>  <b>CODE: POS CODE(Prefix+PLU Code)</b>  <b>AMT=Sales amount,e.g. \$12.34 will be treat as 1234</b>  <b>RAMT = Round sales amount,e.g. \$12.34 will be treat as 123</b>  <b>PRI=Price</b>  <b>WT=Weight (5 Digits)</b></p> <p>1:Code+AMT.(13digits)  2:Code+WT(13digits)  3:Code+PRI(13digits)  4:Code(13digits)  5:Code+WT+RAMT(18 digits)  6:Code +RAMT(13digits)  7:Code+WT+ AMT(18 digits)  8:Code +RAMT+WT(18 digits)  9:Code+AMT+WT(13 digits)  10:1+WT+CODE(13 digits)  11:Code+RPI+WT(18 digits)  12:Code+ WT+PRI (18 digits)</p>	<div data-bbox="549 707 860 890"> <div>FEH</div> <div>PARA</div> <div>BARCODE (1~12)</div> <div>1. CODE+AMT</div> <div>1</div> <div>CASH</div> </div>
<p>Enter PLU code length (maximal 8 )</p> <p>e.g. PLU code length =[7] Press <b>CASH</b> key</p>	<div data-bbox="549 1278 860 1461"> <div>FEH</div> <div>PARA</div> <div>PLU CODE LEN (1~8)</div> <div>7</div> <div>7</div> <div>CASH</div> </div>

<p>Enter PLU code style (1:prefix+interner code 2:only interner code)</p> <p>e.g. PLU code type =[1] Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>BARCODE (1~2) ▲</div> <div>1. PREFIX+CODE ▼</div> <div>1 → CASH</div>
<p>Enter PLU Prefix</p> <p>e.g. PLU Prefix =[29] Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>PREFIX:</div> <div>29</div> <div>1 → CASH</div>
<p>Enter Quantity in barcode (1:1pcs=1000 2:1pcs=1)</p> <p>e.g. Default Weight Quantity =[1] use <b>↑</b> &amp; <b>↓</b> to choose Press <b>CASH</b> key</p>	<div></div> <div>QTY IN BARCODE (1~2) ▲</div> <div>1. 1PCS=1000 ▼</div> <div>1 → CASH</div>
<p>Enter the type of Rounding 1: Decimal,3 round(round at the third digit) ; 2: Decimal 3 remove(ignore the third digit); 3: Decimal,2 round(round at the seconddigit); 4: Decimal 2 remove(ignore the second digit); e.g. The type of Rounding =[1] use <b>↑</b> &amp; <b>↓</b> to choose Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>ROUND (1~4) ▲</div> <div>1. DECIMAL 3 ROUND ▼</div> <div>1 → CASH</div>
<p>Enter the unit of Weight (1:kg 2: g);</p> <p>e.g. Unit of Weight =[1] use <b>↑</b> &amp; <b>↓</b> to choose Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>WEIGHT UNIT (1~2) ▲</div> <div>1. kg ▼</div> <div>1 → CASH</div>
<p>Enter the Unit of Default price (1:per kg 2:per 100g 3: per 500g);</p> <p>e.g. Unit of default price =[1] use <b>↑</b> &amp; <b>↓</b> to choose Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>PRICE UNIT (1~3) ▲</div> <div>1. per kg ▼</div> <div>1 → CASH</div>
<p>Enter whether allow to change the price manually (1:Not allow to change price manually; 2:allow to change price manually)</p> <p>e.g. Not allow to change price manually =[1] use <b>↑</b> &amp; <b>↓</b> to choose Press <b>CASH</b> key</p>	<div>FEH</div> <div>PARA</div> <div>PRICE CHANGEABLE (1~2) ▲</div> <div>1. YES ▼</div> <div>1 → CASH</div>

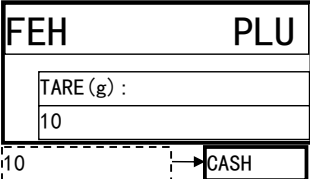
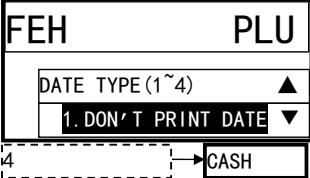
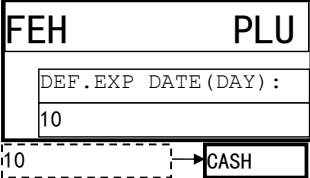
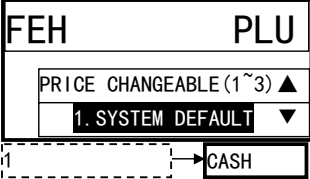
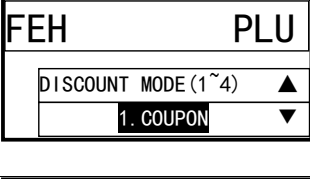
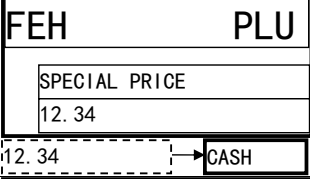
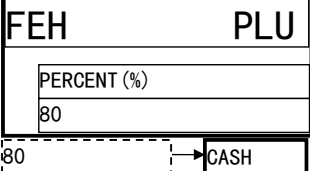
<p>Enter whether allow to discount (1:Not allow to discount; 2:allow to discount)</p> <p>e.g. Not allow to discount=[0] use  &amp;  to choose</p> <p>Press  key</p>	
<p>Enter date type (1:Don't print date; 2:Print Pack date 3:Print Expiry date 4: Print Packg date and Expiry date);</p> <p>e.g. Format of data=[2] use  &amp;  to choose</p> <p>Press  key</p>	
<p>Enter the number of day before expiry</p> <p>e.g. The number of day before expiry=[5]</p> <p>Press  key</p>	
<p>Enter whether to do Statics report (1:OFF.Not Statistics 2: NO. Statistics)</p> <p>E.g. Not Statics=[2] Use  &amp;  to choose</p> <p>Press  key</p>	
<p>Enter label format index (0 or 1);</p> <p>e.g. Label format index=[0] Press  key</p>	
<p>Press  key</p> <p>Sound of “Bee” hints finishing of parameter setting.</p>	

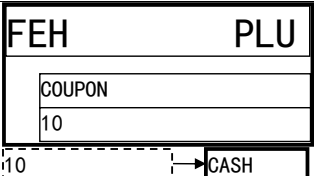
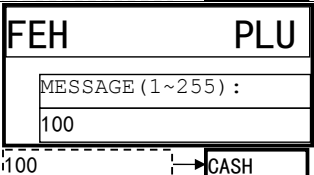
## 4.PLU management

### 4.1 Setting PLUs

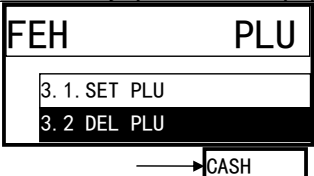
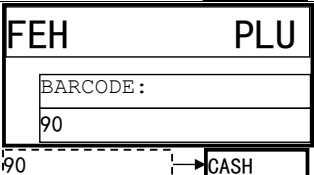
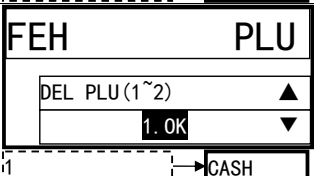
Procedure	Key operation and Display
<p>Press  key, use  &amp;  to choose PLU Set.</p> <p>Press  key, then choose 1.Set PLU.</p>	

	<div>FEH</div> <div>PLU</div> <div>3. 1. SET PLU</div> <div>3. 2. DEL PLU</div> <div>CASH</div>
<b>Enter PLU</b>  e.g. PLU = 1 press <b>CASH</b> key	<div>FEH</div> <div>PLU</div> <div>PLU NO. :</div> <div>1</div> <div>1</div> <div>CASH</div>
<b>Enter bar code (1~8)</b>  e.g. Internal code = 0001 Press <b>CASH</b> key	<div>FEH</div> <div>PLU</div> <div>BARCODE :</div> <div>0001</div> <div>0001</div> <div>CASH</div>
<b>Enter product name</b>  Using ↑ and ↓ to shift the input method 1: 123; 2 abc; 3.ABC  Enter letter, Press <b>CASH</b> key <b>NOTE: See “8.Input Method” about how to input text.</b>	<div>FEH</div> <div>PLU</div> <div>PLU NAME :</div> <div>ABC</div> <div>Apple</div> <div>Apple</div> <div>CASH</div>
<b>Enter price (according to weight unit)</b>  e.g. Price = [50] Press <b>CASH</b> key	<div>FEH</div> <div>PLU</div> <div>PRICE :</div> <div>50</div> <div>50</div> <div>CASH</div>
<b>Enter sales mode</b> (1: Weighing selling, 2: packet selling, 3: Fix weight (weight and packet selling))  e.g. Sales mode = [1] (Weighing selling) Use ↑ & ↓ to choose. Press <b>CASH</b> key	<div>FEH</div> <div>PLU</div> <div>TYPE (1~3)</div> <div>1. Weighing Selling</div> <div>1</div> <div>CASH</div>
<b>Enter Fix weight</b> (only effective for default weight and packet selling. Unit: g)  e.g. Default weight = [50]	<div>FEH</div> <div>PLU</div> <div>FIX WEIGHT :</div> <div>50</div> <div>50</div> <div>CASH</div>

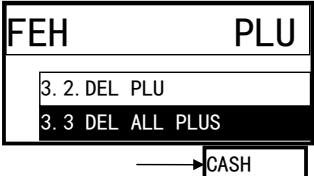
<p>Enter Tare (Only effective for weighting selling)</p> <p>e.g. Tare = [10] Press <b>CASH</b> key</p>	
<p><b>Enter date type</b> (1: don't print date, 2: print pack date 3: print Exp date, 4: print both date)</p> <p>e.g. Date type =[4] Use <b>↑</b> &amp; <b>↓</b> to choose. Press <b>CASH</b> key</p>	
<p><b>Enter expiry days</b></p> <p>e.g. Expiry days = [10] Press <b>CASH</b> key</p>	
<p><b>Price changable</b> (1: system default-Void, 2: Yes-allow, 3: NO- not allow)</p> <p>e.g. not allow reset price selling = [1] Use <b>↑</b> &amp; <b>↓</b> to choose. Press <b>CASH</b> Key</p>	
<p><b>Enter Type of discount</b> {1: No discount, 2: special price 3: percent %, 4: Coupon}</p> <p>e.g. Type of discount = [4] Use <b>↑</b> &amp; <b>↓</b> to choose. Press <b>CASH</b> key</p>	
<p><b>If you select "Special Price" for Discount Mode at last Step.</b> e.g. Special price = \$12.34 Input "12.34" Press <b>CASH</b> Key</p>	
<p><b>If you select "PERCENT" for Discount Mode at last Step.</b> e.g. Percent = 80% Input "80" Press <b>CASH</b> Key</p>	

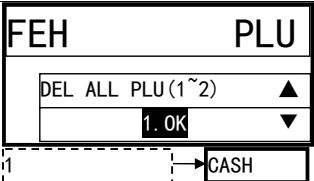
<p><b>If you select “COUPON” for Discount Mode at last Step.</b>  e.g. coupon = \$10  Input “10”  Press <b>CASH</b> Key</p> <p><b>If unit price= \$100.00</b>  <b>Sale Price = \$100.00 - \$10.00 = \$90.00</b></p>	
<p><b>Enter message (index of explanation)</b>  e.g. Explanation index. = [100]  Press <b>CASH</b> Key  Note: For explanation text index., see Explanation text editing  Setting is finished with a “BEE” sound.</p>	

#### 4.2 Delete single PLU

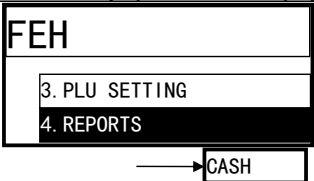
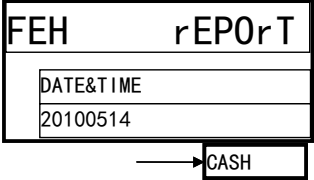
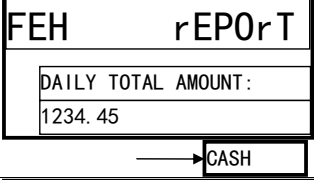
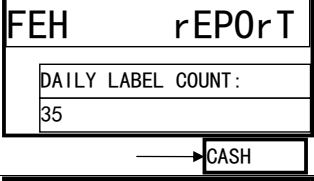
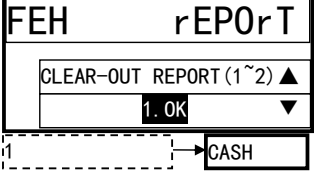
Procedure	Key operation and Display
<p>Under the programming interface:</p> <p>Press <b>Menu</b> key, use <b>↑</b> &amp; <b>↓</b> to choose Del PLU  Press <b>CASH</b> key.</p>	
<p>Enter PLU to be deleted.  e.g. PLU= [90]  Press <b>CASH</b> key.</p>	
<p>Interface ask whether to confirm the above setting.  (OK=1, Cancel=2)</p> <p>e.g. OK= use <b>↑</b>/<b>↓</b> to chose 1  Press <b>CASH</b> key</p>	
<p>Setting is finished with a “BEE” sound.</p>	

#### 4.3 Delete all PLUS

Procedure	Key operation and Display
<p>Under the PLU SET interface ,  use <b>↑</b> &amp; <b>↓</b> to choose Del all PLUS.</p> <p>Press <b>CASH</b> key.</p>	

<p>Interface ask whether to confirm the above setting. (OK=1, Cancel=2)</p> <p>e.g. OK= use [↑][↓] to chose 1 Press <b>CASH</b> key</p>	
<p>Setting is finished with a "BEE" sound.</p> <p>Note: The setting will delete all PLUs. Be cautious!</p>	

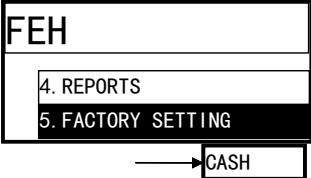
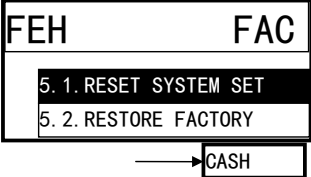
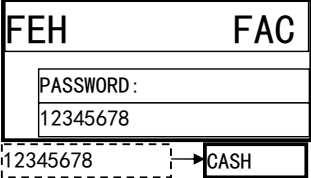
## 5.Sales Report function

Procedure	Key operation and Display
<p>Press <b>Menu</b> key, use [↑] &amp; [↓] to choose REPORT.</p> <p>Press <b>CASH</b> key, then choose 2.REPORT</p>	
<p>It shows current date (year-month-date): 20100514.</p> <p>Press <b>CASH</b> key, to show dailly total amount Note: The scale shows the date when the last sales report was deleted.</p>	
<p>It shows current sales amount</p> <p>Press <b>CASH</b> key to display total quantity of label.</p>	
<p>It shows current label quantity: 50.</p> <p>Press <b>CASH</b> key to enter next setting.</p>	
<p>Setting whether to delete the current reporting data. (1: Yes 2: No,)</p> <p>e.g. To delete current data = [1]</p> <p>Press <b>CASH</b> key. The setting is finished with a sound of "BEE".</p> <p>Note: The current reporting data are shown in above operation, but can not be changed.</p>	

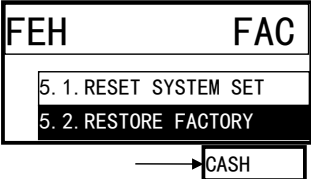
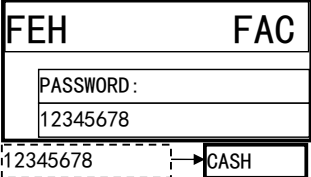


6. Factory Setting

Reset default system setting

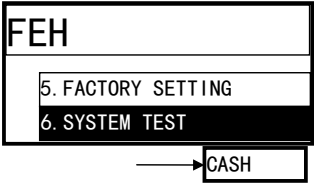
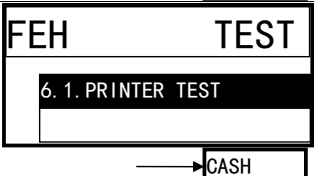
Procedure	Key operation and Display
Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM SET.  Press <b>CASH</b> key.	
Use <b>↑</b> & <b>↓</b> to choose 1. Press <b>CASH</b> key.	
Enter confirmation code: 12345678. The scale will restart. The setting is finished. Note: 1. setting Explanation Text as "MESSEGE+Index" 2. setting Text String as "STRING+Index" 3. Setting Label format as Default format (see Annex A) 4. Setting System Parameters as Default System Parameter". (see Annex B)	

Restore factory setting

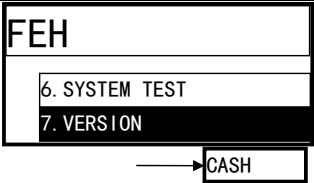
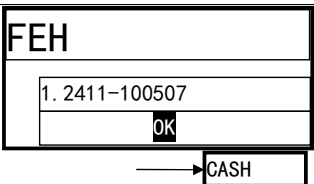
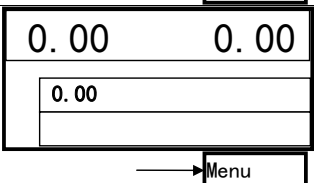
Procedure	Key operation and Display
Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM SET.  Press <b>CASH</b> key to choose 2.  .	
Enter confirmation code: 12345678. The scale will restart. The setting is finished. Note: The setting will delete all PLUs setting, then setting 10 PLUs and back to the default setting. (refer to 5.5 setting)	

## 7. System Testing

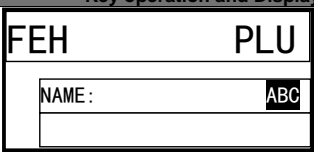
### Test Printer

Procedure	Key operation and Display
Under the programming interface , Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose SYSTEM TEST.  Press <b>CASH</b> key to choose 2.	
It shows the printer testing interface. Press <b>CASH</b> key to do a testing printing.	

## 8. Getting information of Version

Procedure	Key operation and Display
Under the programming interface , Press <b>Menu</b> key, use <b>↑</b> & <b>↓</b> to choose2. VERSION.  Press <b>CASH</b> key.	
It shows current software version:  Press <b>CASH</b> key to return to upper level submenu.	
If need to return to Selling interface, Press <b>Menu</b> Key. Return to Selling interface.	

## 9.Input Method

Procedure	Key operation and Display
Inputting text is required mainly during editing PLUs, letter string, and explanation text.  e.g. In the text entering interface, editing PLU name.  Note: PLU name, Letter string are maximal 12	

<p>letters. Explanation text maximal 48 letters. For letter inputting code, please refer to Annex C.</p> <p>Use  or  to choose one of input method. 123:Input digits ABC:Input upper character abc:Input lower character</p> <p>When inputting is wrong, press [← BACK] key to delete current inputting.</p> <p>Press [CLR] to delete all inputting.</p> <p>To use [←][→] to navigate the editing position. When input English letter, e.g. "Apple",</p> <p>e.g. Input PLU name "Apple"</p> <p>Use  or  to choose "ABC"(input upper character) press key  to input 'A' Use  or  to choose "abc"(input lower character) press key  to input 'p' wait one second, press key  again to input 'p' press key  3 times to to input 'l' press key  2 times to input 'e'</p> <p>Fast Input method: HOTKEY1~26 to input 'A' ~'Z' SHIFT+HOTKEY1~26 to input 'a'~'z' HOTKEY27 to input space. HOTKEY28 to input ':' HOTKEY29 to input '/' HOTKEY30 to input '\'</p> <p>e.g.Input PLU name "Apple" by hot key Press  key Press , Press  key Press , Press  key Press , Press  key Press , Press  key</p>	<div> <div>FEHPLU</div> <div>NAME:ABC</div> <div>A</div> <div>→</div> </div> <p>OR</p> <div> <div>FEHPLU</div> <div>NAME:abc</div> <div>Ap</div> <div>→</div> <div>→</div> </div> <p>OR</p> <div> <div>SHIFT</div> <div>→</div> </div> <div> <div>FEHPLU</div> <div>NAME:abc</div> <div>App</div> <div>Wait one second→</div> </div> <p>OR</p> <div> <div>SHIFT</div> <div>→</div> </div> <div> <div>FEHPLU</div> <div>NAME:abc</div> <div>AppI</div> <div>3 times→</div> </div> <p>OR</p> <div> <div>SHIFT</div> <div>→</div> </div> <div> <div>FEHPLU</div> <div>NAME:ABC</div> <div>Apple</div> <div>2 times→</div> </div> <p>OR</p> <div> <div>SHIFT</div> <div>→</div> </div>
--	--

## 10.Trouble shooting

Before you inform the technician for a problem, you may check this trouble shooting list at first. Some of questions and problems are not product quality problem, but simple due to simple reasons or incorrect operations.

Error displayed	Discription
ERR-01	"Invalid PLU code"
ERR-02	"Invalid PLU No."
ERR-03	"Difference price when resale"
ERR-04	"No print paper"
ERR-05	"Forbid change price"
ERR-06	"PLU not found"
ERR-07	"Wrong IP format"
ERR-08	"Wrong date or time"
ERR-09	"Invalid key input"
ERR-10	"Quantity or weight error"
ERR-11	"Money error"
ERR-12	"Memory full"
ERR-13	"Data input error"
ERR-14	"Data in memory error"
ERR-15	"Label Paper haven't peeled"
ERR-16	"Wrong MAC address format"
ERR-17	"Amount of money overflow"
ERR-18	"USB ERR"

### Additional common trouble shooting:

- The display blinking over 3 seconds during Start operation.  
> Switch the scale off.
- The displaying is dark or not normal.  
> Please check the cable connection.
- The scale can't be started.  
> Check the power connection.
- The communication is not good when using networking function.  
> Check the connection between two machines.
- Scale is not accurate and precision becomes weaker.  
> Check whether it is clean under the scale pan, the calibration of gradienter and the support pillar stands for the housing.

## 11.Annex A. Default label printing format

Label editing No.	Whether to print	Letter font	Direction	Width	Height	Title	Sapce at edge	X-axis	Y-axis
1 Internal code	0								
2 Product Name	1	3	0					10	74
3 PLU Code	0							10	106
4 Price	1	1	0					52	106
5 Weight	1	1	0					105	138
6 Amount after discount	1	1	0					355	106
7 Label code	1		0	3	50			10	0
8 Date	1	0	0					345	138
9 Effective days	0								
10 Frame	0								
11 Time	0								
12 Amount before discount	0								
13 Expiry date	1	0	0					265	154
14 Discount rate	0								

15 Title 1	1	1	0			17		10	106
16 Title 2	1	1	0			21		110	106
17 Title 3	1	1	0			8		10	138
18 Title 4	1	3	0			22		170	138
19 Title 5	1	1	0			13		224	106
20 Title 6	1	0	0			5		224	138
21 Title 7	1	0	0			23		224	154
22 Title 8	0								
23 Title 9	0								
24 Letter string 1	1	3	0					60	190
25 Letter string 2	0								
26 Letter string 3	0								
27 Letter string 4	0								
28 Letter string 5	0								
29 Letter string 6	0								
30 Letter string 7	0								
31 Letter string 8	0								
32 Explanation text	0								

Note: Function No.10 Frame only on Software Version 1.08 or above

## 12. Annex B. Default system parameters

Setting parameters	Default Value	Discription
Sacle No.	1	
Label width	448	448 x 0.125mm = 56mm
Label height	243	
Label interval space	35	
Printing greyness	10	
Label paper peel check	1	Check label paper peel
PLUS printed in the center	1	Plu in the center
Label code type	0	Code + Sales amount (Not rounding Kopeck)
POS code length	7	
POS code type	0	Prefix+Internal code
POS code prefix	29	
Sales amount roudning type	0	Rounding at the 3rd. digits
Weight unit	0	kg
Price unit	0	/kg
Whether to manually change price	0	VOID: not able to manually change price
Whether to manually discount	0	Not to manually discount
Whether to fix the PLU	0	Not tp fix PLU
Whether to antomaticly print	0	Not automaticly print
Default date format	3	Packaging date and effective date
Whether to do statistics	0	Not to do statistics